
**METHOD AND APPARATUS FOR AUTOMATIC CAPTURE
VERIFICATION USING
POLARITY DISCRIMINATION OF EVOKED RESPONSE**

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Abstract

10 A cardiac stimulation device and method automatically confirm capture
by detecting the polarity of a post-stimulation signal. A capture detection
circuit is subjected to recharge and block overlap signals applied such
than an evoked response signal is characterized by a primarily positive
polarity and a polarization signal is characterized by a primarily negative
15 An amplitude detection feature, such as peak amplitude or signal
integral, and its polarity are determined from a post-stimulation signal
sensed by the capture detection circuit during a capture detection window.
Capture is confirmed when the amplitude detection feature has a positive
polarity.